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Product datasheet for SC127165

ZNF312 (FEZF2) (NM_018008) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF312 (FEZF2) (NM_018008) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF312
Synonyms:	FEZ; FEZL; FKSG36; TOF; ZFP312; ZNF312
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene ORF within SC127165 sequence for NM_018008 edited (data generated by NextGen Sequencing)

ATGGCAAGCTCGGCTTCCCTGGAGACCATGGTGCCCCCGGCCTGCCCGCGCGCCGGAGCG
TCGCCGGCCACTTCCAAGACACTGGCCTTTTCCATCGAGCGCATCATGGCCAAGACGTCG
GAGCCCCGTGCGCCCTTTGAGCCCCGGCCTGGAGCGCTAGAGGCGGACGGCGGCCAGGGC
AAGAAACTGCTCAACCTCTGCTCGCCGCTGCCCTGTATGATCCCCCTCCAGCCCCTAGGC
TACGAGGTGCCGTCAAAGACACTGCTCAGTTACTCGGAGCTCTGGAAAAGCAGCCTCCGG
GCGGGCGGCGGCGGAGGCGGCGGCGGCGGTGGCGGCGGCGGCGGCGGGGGGGCCCCAGTG
TGCGGCGCCAGCGGCTTGTGCAAAACCAACTGTGGCGTGTGCTGCAAGGCCGAGCTGGGC
CTGGCGCCGTCCGCGCTGCCCGCGGGCAGGGTCATCAAGCCGCAGGTCATCAACCAGGCT
GTGGGGCTGCCGGCCAGCGGCTCGCTCTACTACTTCAACTACCTGGACTCGACCGCGTAC
CCGCCGTCTGAGCTCCTCAGCGGCCACCTCTTCCCGTCTGGCCTCCTCAATGCGCAGGCC
CCCGCCGCCCTGGCTGCTCACCCCAAGCTCTTTCTGCTGGAGAACGCCAAGCTGGCCGGC
CTGGCTGCGGACAAGTTCCCCCACCCGGCTCCCTATCCCCATAAGGAGCGCTTGCCGGCG
CCGCTGGAGCAGGTACTGAAGGAAAACTCGGCCCTGACTGCCGAGCGCGGAGGCGTCAAG
GGCCACAGCAAGCTGCCAGGAGGCTCCGCAGATGGCAAGCCCAAAAACTTCACCTGCGAG
GTGTGCGGCAAGGTGTTTAACGCTCACTATAATCTCACCCGCCACATGCCGGTCCACACC
GGAGCCAGACCGTTCGTGTGCAAAGTCTGCGGCAAAGGCTTTCGCCAGGCCAGCACGCTC
TGCAGGCACAAAATTATCCACACCCAGGAAAAGCCACATAAATGCAACCAGTGCGGCAAA
GCGTTCAACCGCAGCTCCACGCTCAACACGCATATCCGCATCCACGCGGGCTACAAGCCC
TTCGTCTGCGAATTTTGCGGCAAAGGCTTTCACCAAAAAGGGAACTACAAGAACCACAAG
CTGACCCACAGCGGCGAGAAGCAGTACAAATGTACCATCTGCAACAAGGCCTTCCACCAG
GTCTACAACCTAACCTTCCATATGCACACCCACAACGACAAGAAGCCTTTCACGTGCGCC
ACTTGCGGCAAAGGGTTTTGCAGAAACTTTGACTTAAAGAAACATGTGCGCAAACTCCAC
GACAGCGTGGGCCCTGCTGCCCCCTCCGCAAAGGACCTGACTAGGACAGTGCAGAGCTGA

Clone variation with respect to NM_018008.3
172 a=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018008 unedited
GGGTGCACATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGGAGACACG
CTGCATGGCTCGGAACGCATCTCCTTGGTGGTGGGGGAAAGAGACTTAGAGGAGAGAGGC
TGCGCCCTGGCCCAGCCTGGCTCGGCTCAGCTCCGCGCGCCATGGCAAGCTCGGCTTCCC
TGGAGACCATGGTGCCCCCGGCCTGCCCGCGCGCCGGAGCGTCGCCGGCCACTTCCAAGA
CACTGGCCTTTTCCATCGAGCGCATCATGGCCAAGACGTCGGAGCCCCGTGCGCCCTTTG
AGCCCCGGCCTGGAGCGCTAGAGGCGGACGGCGGCCAGGGCAAGAAACTGCTCAACCTCT
GCTCGCCGCTGCCCTGTATGATCCCCCTCCAGCCCCTAGGCTACGAGGTGCCGTCAAAGA
CACTGCTCAGTTACTCGGAGCTCTGGAAAAGCAGCCTCCGGGCGGGCGGCGGCGGAGGCG
GCGGCGGCGGTGGCGGCGGCGGCGGCGGGGGGGCCCCAGTGTGCGGCGCCAGCGGCTTGT
GCAAAACCAACTGTGGCGTGTGCTGCAAGGCCGAGCTGGGCCTGGCGCCGTCCGCGCTGC
CCGCGGGCAGGGTCATCAAGCCGCAGGTCATCAACCAGGCTGTGGGGCTGCCGGCCAGCG
GCTCGCTCTACTACTTCAACTACCTGGACTCGACCGCGTACCCGCCGTCTGAGCTCCTCA
GCGGCCACCTCTTCCCGTCTGGCCTNCTCAATGCGCANGCCCCCNGCCGCCTGGCTGCTC
ACCCCAAGCTCTTTCTGCTGGNAGACGCCAAGCTGGGCCGCCTGGCTGCNGACAAGNTCC
CCCACCCGGCTCCCTATCCCCATAAGGAGCGCTTGCCCGGCGCCGCTGGNAGCAGTACTG
AAGGAAAAACTCGNCCTGACTGCCGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018008 unedited
CGGTACAGCTATGNNACCGCGGCCGCATNCTAGNGATCGGTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTCACTAATGATTCTGTTTATTGAGTTATATATGTATATATTCCG
TGTTCGCTTGTACAGGAGGATTTACATGGCTGTATAAAAATGGCTAGGGGCGCCGCGCTC
TTCTGGGGCCCTCACGGGGACAGGCTGGGGTTAAAACTGGCTGCCCCAGGAAAAGCGGAG
GCCTGGAATTAAATACGTTTCGGCGCACTGGATTTAAATAAGTTTCCTGAATATACAAAG
GTGGGGGCCACAAGTTTGCTGCCAGTCATCGAGGAAACATTTAGCTTTCCAAAAATATGC
TGGTTTCGATAAATAGATTTTACCCTCTCTGCTATAGTTTTTTTTTCTTTTAATTTTAAA
AATAAGTTTATATGTGTGATCTGTTTTCAGGTGGTACAGGGAGGGAAGGAAGGGCAAGGC
ACTACCTCTCAGCTCTGCACTGTCCTAGTCAGGTCCTTTGCGGAGGGGGCAACAGGGCCC
ACGCTGTCGTGGAGTTTGCGCACATGTTTCTTTAAGTCAAAGTTTCTGCAAAACCCTTTG
CCGCAAGTGGCCCACGTGAAAGGCTTTTTGTCGTTGTGGGTGTGCATTTGGAAAGGTAAG
TTGTAAACCCTGGTGGAAGCCTTGTTGCCAATGGTCCATTTGACTTGTTCTCGCCCCTGG
GGTCACCCTGGGGTCTTGGACTTCCCTTTTTGGGAAAACCTTTGCCCCCAAATTCCAAAC
AAAGGGTTTGTACCCCCCTGGAACCCGAAATCCCTGTTAAACCTGGAACTCCCTTTAAAC
CCTCTCCCACCCCGGGTTCGCTTTTGTGGGCTTTTCCCGGGGGGGAAAAAT

Restriction Sites: NotI-NotI

ACCN: NM_018008

Insert Size: 1380 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_018008.2, NP_060478.2

RefSeq Size: 1919 bp

RefSeq ORF: 1380 bp

Locus ID: 55079

UniProt ID: Q8TBJ5

Cytogenetics: 3p14.2

Domains: zf-C2H2

Gene Summary: Transcription repressor. Required for the specification of corticospinal motor neurons and other subcerebral projection neurons. May play a role in layer and neuronal subtype-specific patterning of subcortical projections and axonal fasciculation. Controls the development of dendritic arborization and spines of large layer V pyramidal neurons. May be involved in innate immunity (By similarity).[UniProtKB/Swiss-Prot Function]